Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/20/2017 09:45 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124700	-1	1.77	124507	1.79
Blue	F	SSC	125000	123417	-2	3.16	123718	2.99
Blue	E	FITC	22946	22389	-3	2.44	998	9.82
Blue	D	PE	28770	28061	-3	1.96	1008	9.33
Blue	B	PerCP-Cy5-5	51099	50146	-2	3.31	1442	16.31
Blue	A	PE-Cy7	42312	41561	-2	5.06	644	34.71
Red	C	APC	52169	51754	-1	2.90	2970	9.40
Red	A	APC-Cy7	56705	55880	-2	2.88	1159	11.16
Violet	B	V450	14708	14050	-5	4.92	672	8.99
Violet	A	V500	58608	56243	-5	4.67	2491	7.03

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19552	5.94	601	3	N/A	N/A	Pass
Blue	F	SSC	61458	1.48	531	13	N/A	N/A	Pass
Blue	E	FITC	111	37.07	536	5	0.0226	115	Pass
Blue	D	PE	220	26.63	532	6	0.1679	179	Pass
Blue	B	PerCP-Cy5-5	226	42.48	627	5	0.0108	62	Pass
Blue	A	PE-Cy7	70	111.89	675	4	0.0123	6	Pass
Red	C	APC	350	27.71	592	2	0.0211	104	Pass
Red	A	APC-Cy7	127	38.73	576	0	0.0056	1277	Pass
Violet	B	V450	81	41.01	463	4	0.0571	2269	Pass
Violet	A	V500	182	21.18	491	3	0.0138	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.61	-30.98	0.87
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.32
Red	16.40	13.27 - 19.91	N/A	N/A	31.11	31.55	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 11325

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments